



MAJOR TRANSPORTATION & REGIONAL COOPERATION COMMITTEE

September 15, 2015

RECENT DEVELOPMENTS

- Civil construction continued throughout Aug/Sep
 - Tangent trackwork on Main St. completed
 - OCS, Traffic Signal pole foundations completed
 - Wire pulls along 12th, Central Parkway completed
 - Main St. paving began Sept 8
 - TPSS, OCS testing continued in OTR Loop
- Vehicle production continues at CAF Elmira, NY plant
 - Unit #1 in dynamic testing, Unit #2 in Climate Room testing
 - CAF projects first vehicle delivery to Cincinnati at end of Oct



SCHEDULE STATUS

- MPD Construction Contract Milestone Dates:

Milestone	Original Contract Dates (Bid Docs)	Change Order #1	Change Order #5
OTR Loop & MOF Substantial Completion	June 15, 2014		
3000 ft. Test Track & MOF Substantial Completion	July 15, 2014	March 1, 2015	March 21, 2015
Substantial Completion of OTR Loop	March 1, 2015	June 29, 2015	July 19, 2015
Substantial Completion of All Work	October 1, 2015	March 15, 2016	April 4, 2016
Revenue Service	April 2, 2016	September 15, 2016	September 15, 2016

- CAF Contract Modification #2 (executed on August 1):

Milestone	Contractual Late Date
Contractual Delivery of 1st Car	September 17, 2015
Contractual Delivery of 2nd Car	October 17, 2015
Contractual Delivery of 3rd Car	November 17, 2015
Contractual Delivery of 4th Car	November 17, 2015
Contractual Delivery of 5th Car	December 17, 2015

BUDGET VS. EXPENSES

Through 8/31/15 - DRAFT

BUDGET - June 2013		EXPENSES 8/31/2015		
Budget Category	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Pre-Development	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
Design	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Real Estate	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Construction	\$ 52,511,908.33			
MOF	\$ 11,914,668.98			
Utilities (Project)	\$ 6,958,405.62	\$ 61,962,440.26	\$ 9,422,542.67	\$ 71,384,982.93
Utilities (3rd Party)	\$ 6,225,065.37	\$ 2,574,494.38	\$ 3,092,363.76	\$ 5,666,858.14
Vehicles	\$ 25,213,095.40	\$ 8,937,859.92	\$ 15,014,060.59	\$ 23,951,920.50
Fare Vending	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 4,441,476.27	\$ 3,082,985.44	\$ 260.00	\$ 3,083,245.44
SORTA Project Administration	\$ 2,100,000.00	\$ 1,022,484.78	\$ 977,515.22	\$ 2,000,000.00
Start-up	\$ 250,000.00	\$ -	\$ -	\$ -
Unallocated Contingency	\$ 4,991,010.00	\$ 3,077,903.81	\$ 1,441,297.82	\$ 4,519,201.63
Subtotal	\$ 133,078,277.97	\$ 98,247,027.58	\$ 30,016,769.78	\$ 128,263,797.35
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Grand Total	\$ 148,078,277.97	\$ 113,247,027.58	\$ 30,016,769.78	\$ 143,263,797.35

* *Construction* Expenditures include \$2.925 Million in unreleased retainage on MPD contract .
Vehicle Expenditures include \$346,228 in unreleased retainage on CAF contract

RISK/CONTINGENCY ITEMS

- CONSTRUCTION
 - Unforeseen conditions/design issues
 - Underground and overhead utility and structures conflicts
- VEHICLES
 - Additional staff time, consultant time (LTK)
 - Vehicle delivery delay, acceleration of activities to recover schedule may require additional engineering/inspection support
 - Construction delay
 - If significant, vehicle delay could impact construction testing schedule to the point construction delays occur
- SAFETY & SECURITY CERTIFICATION/INTEGRATED TESTING
 - Issues identified during integrated testing and safety certification may require redesign or additional construction work



CONTINGENCY USAGE

Through 9/10/15 - DRAFT

Budget Category	Contingency Budget	Completed Contingency Uses	Pending Contingency Uses	Estimated Contingency Uses	Contingency Remaining
ALLOCATED CONTINGENCY					
Pre-Development	\$ -	\$ -			\$ -
Design	\$ 202,370.96	\$ -			\$ 202,370.96
Real Estate	\$ -	\$ -			\$ -
Construction					
MOF	\$ 2,000,000.00	\$ 1,359,248.32	\$ 81,287.00	\$ -	\$ 559,464.68
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23	\$ -			\$ 77,207.23
Vehicles	\$ 2,101,722.40	\$ 977,100.75			\$ 1,124,621.65
Fare Vending	\$ 50,000.00	\$ -			\$ 50,000.00
City Project Administration	\$ 190,800.63	\$ -	\$ 190,800.63		\$ -
SORTA Project Administration	\$ 100,000.00	\$ -			\$ 100,000.00
Start-up	\$ -	\$ -			\$ -
Subtotal	\$ 4,722,101.22	\$ 2,336,349.07	\$ 272,087.63	\$ -	\$ 2,113,664.52
UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,385,418.50		\$ 223,538.00	
Construction	\$ 4,991,010.00	\$ 2,049,340.11		\$ 931,347.00	\$ (1,139,450.64)
City Project Administration			\$ 931,868.72		
Design		\$ 608,948.31			
Subtotal	\$ 4,991,010.00	\$ 4,043,706.92	\$ 931,868.72	\$ 1,154,885.00	\$ (1,139,450.64)
Utilities (Duke Escrow)	\$ -				\$ -
Grand Total	\$ 9,713,111.22	\$ 6,380,055.99	\$ 1,203,956.35	\$ 1,154,885.00	\$ 974,213.88

GRANT DRAWDOWN SUMMARY

Through 8/31/15 - DRAFT

SOURCE	GRANT NUMBER	ALI CODE	Description	FEDERAL SHARE			
				Authorized	Drawn	Pending	Amount Remaining
Urban Circulator	OH-03-0303	12.79.00	City Project Admin.	\$ 1,453	\$ 1,453	\$ -	\$ -
		12.79.00	SORTA Project Admin.	\$ 1,388,545	\$ 814,777	\$ 476	\$ 573,292
		12.23.03	Construction	\$ 7,600,000	\$ 7,600,000	\$ -	\$ (0)
		12.13.20	Vehicles	\$ 16,000,000	\$ 5,887,426	\$ 779,653	\$ 9,332,921
Subtotal				\$ 24,989,998	\$ 14,303,656	\$ 780,129	\$ 9,906,213
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,000		\$ -
Subtotal				\$ 4,000,000	\$ 4,000,000	\$ -	\$ -
Rail ROW Grant	OH-90-X265	13.73.00	Contingency	\$ 268,278	\$ 268,278		
Subtotal				\$ 268,278	\$ 268,278	\$ -	\$ -
TIGER 3	OH 79-0002	12.79.00	City Project Admin.	\$ 154,545	\$ 154,545	\$ -	\$ (0)
		12.79.00	SORTA Project Admin	\$ 211,453	\$ 3,130		\$ 208,323
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000		\$ (0)
Subtotal				\$ 15,919,998	\$ 15,711,676	\$ -	\$ 208,322
TOTAL				\$ 45,178,274	\$ 34,283,610	\$ 780,129	\$ 10,114,535

•Drawn + Pending = 77.6% of Federal grant funds



CONSTRUCTION STATUS

through 7/31/15

- Revenue Track Complete 17,623 of 18,600 ft. (95%)
- OCS Pole Foundations (as of 9/8/15) 317 of 317 complete (100%)
- OCS Poles 295 of 328 complete (90%)
- Traffic Signal Foundations (as of 9/8/15) 96 of 96 complete (100%)
- Traffic Signal Poles 91 of 95 complete (96%)
- Lane Miles Paved Approx. 10.7 of 13.5 complete
- Station Stop platforms 14 of 18 complete
- Traction Power Substations 4 of 4 delivered
- Special Trackwork 12 of 12 switches installed



CONSTRUCTION STATUS

Track:

- Complete Through Sep 8
- Scheduled Aug-Sep 2015

OCS:

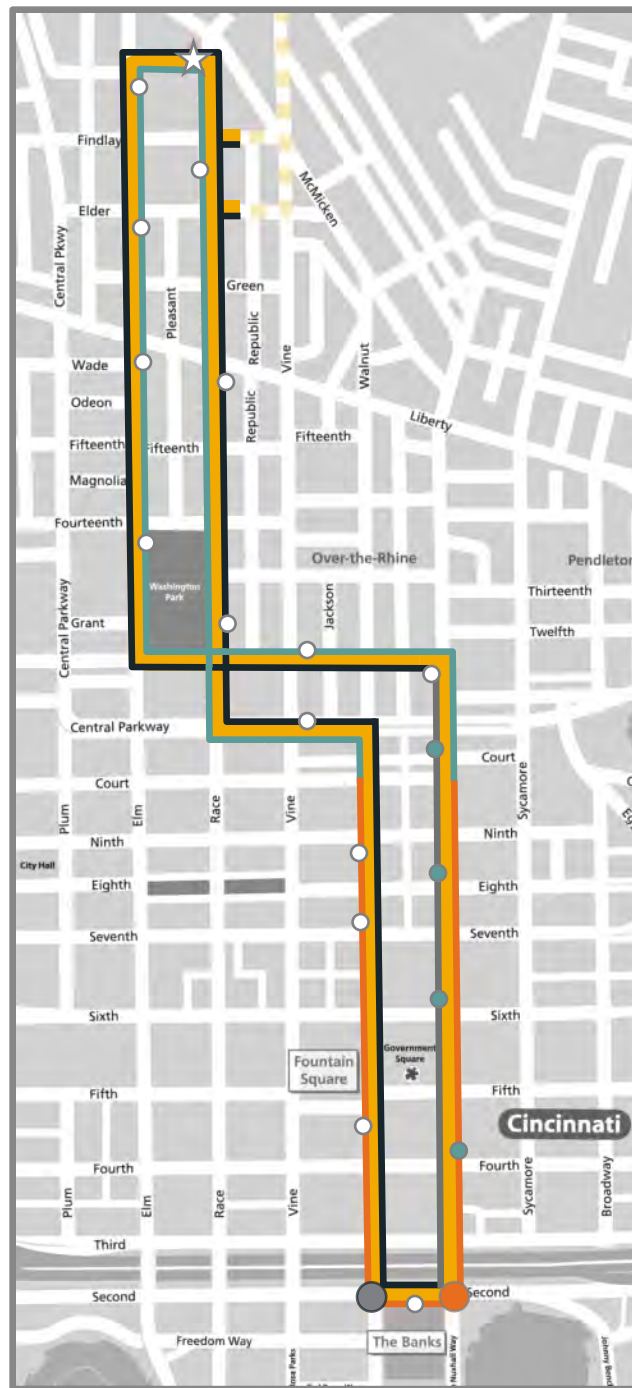
- Complete Through Aug 3
- Scheduled Sep-Oct 2015

Paving:

- Complete
- Scheduled Sep 2015

Stops:









- Complete
- Scheduled Sep 2015

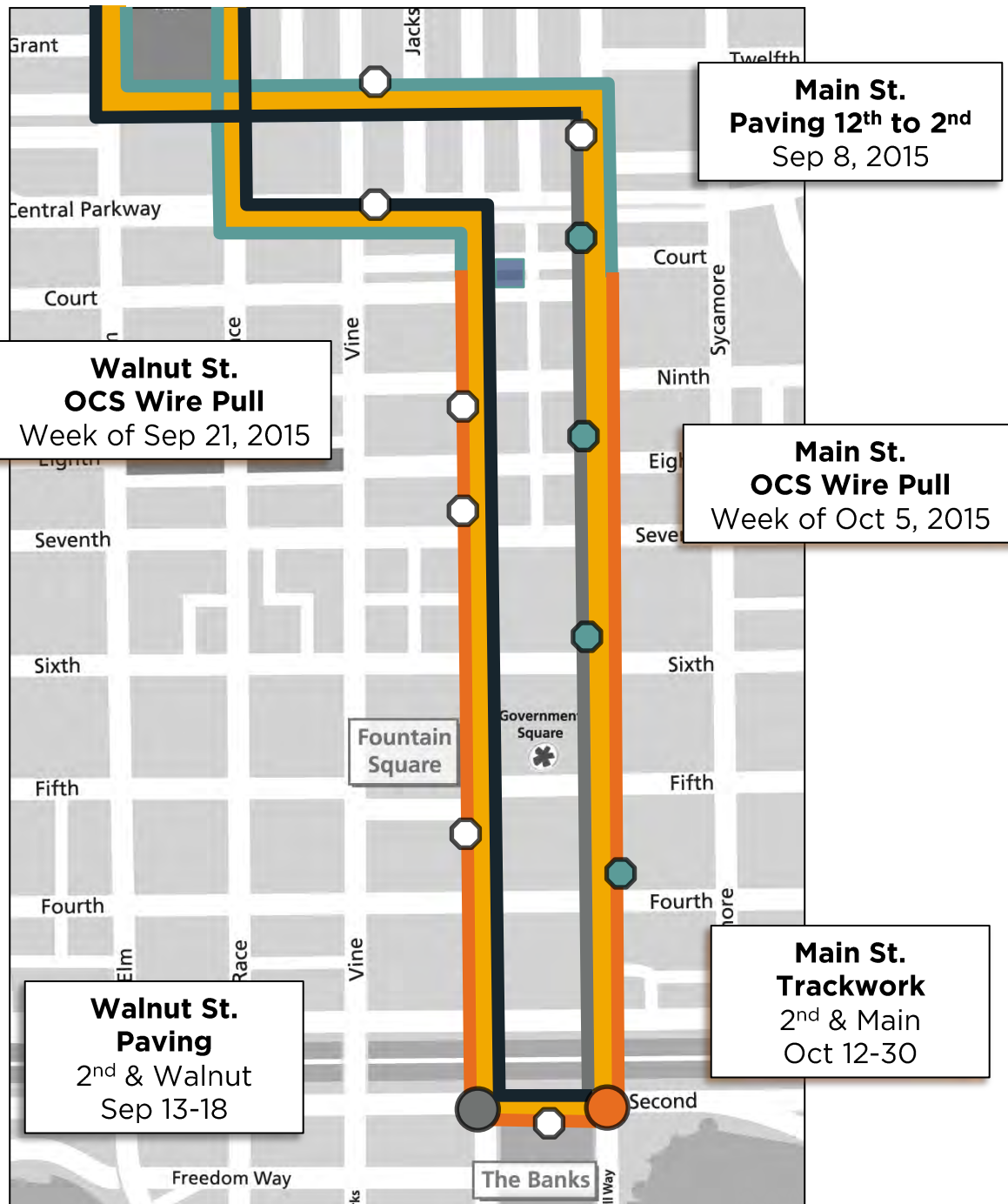


CINCINNATI STREETCAR MAJOR CBD WORK

SEP-OCT
2015

Legend

Track Complete	
Track Scheduled	
OCS Complete	
OCS Scheduled	
Paving Complete	
Paving Scheduled	
Stops Complete	
Stops Scheduled	

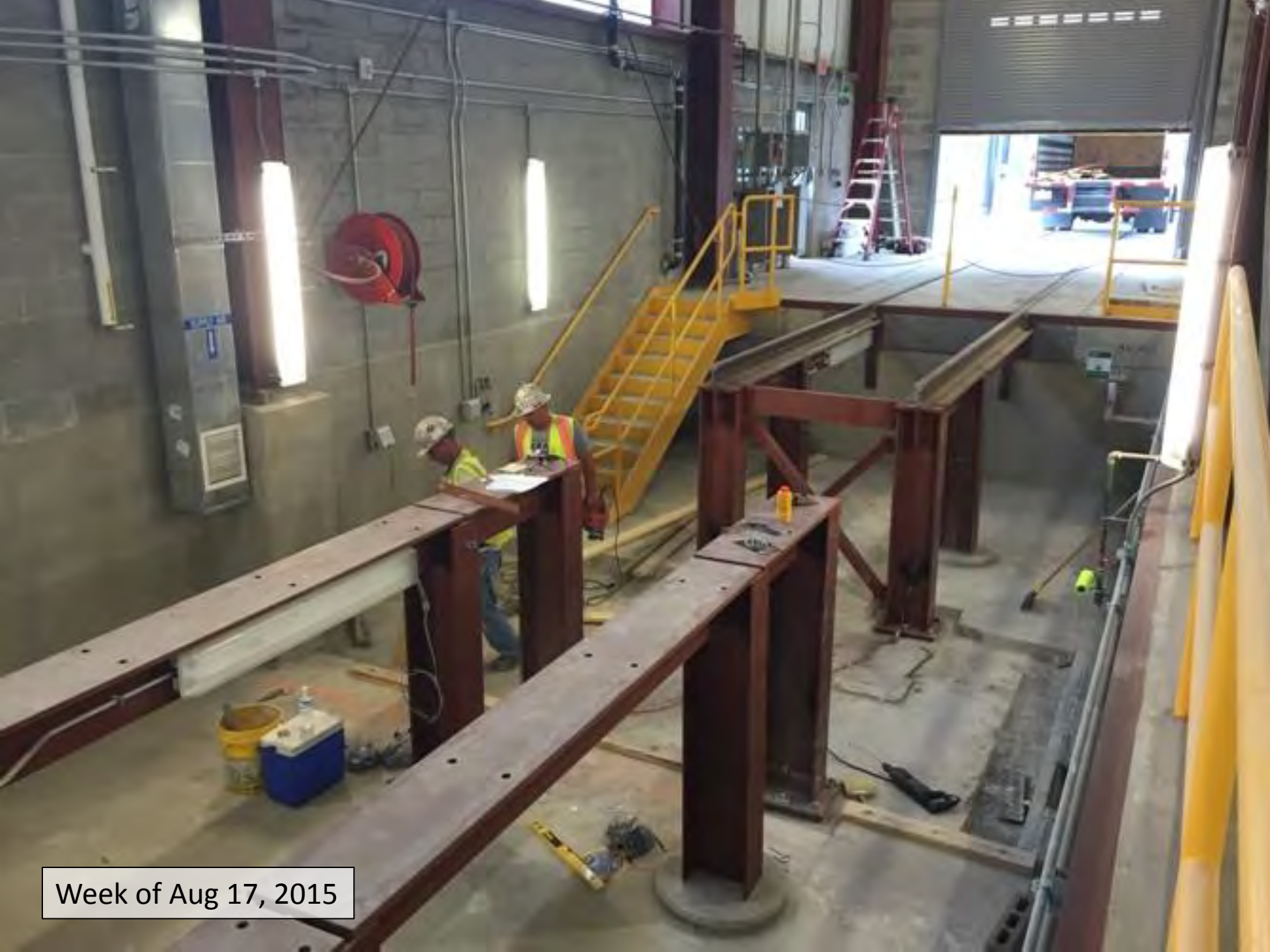




Week of Aug 3, 2015



Week of Aug 3, 2015



Week of Aug 17, 2015



Aug 19, 2015

City of Chicago Department of Transportation
Chicago Department of Transportation

Sep 4, 2015



Sep 4, 2015



Sep 15, 2015



UTILITIES

through 8/31/15

- Duke Electric 99% complete
- Duke Gas 99% complete
- Cincinnati Bell 99% complete
- Water 99% complete
- Level 3 100% complete
- Chilled Water 100% complete
- Time Warner Cable 99% complete
- MSD (Sewer) 95% complete



VEHICLES

- Vehicle production and testing continues in Elmira
 - Unit #1 currently undergoing dynamic testing on the Elmira test track
 - Unit #2 currently undergoing climate room testing in Hornell, NY
 - Unit #3 recently completed carshell assembly and watertightness testing – undergoing remaining installation assemblies
 - Unit #4 carshell assembly in progress
 - Unit #5 carshells onsite in Elmira
- Project team met with CAF in Elmira, NY July 21-23, Aug 24-26
- Watertightness test on Unit #1 completed
- Dynamic, climate room testing scheduled to wrap up Sep 30

VEHICLES - SCHEDULE

- CAF has submitted a recovery plan in response to the City's request
 - Projected arrival dates for streetcar units in Cincinnati:

Streetcar	Proj. Arrival in Cincinnati
Unit #1	October 30, 2015
Unit #2	December 11, 2015
Unit #3	November 23, 2015
Unit #4	January 7, 2016
Unit #5	February 5, 2016

- CAF is committing additional shifts for production and testing activities
- Increased on-site support for testing activities by CAF engineering and key system suppliers
- Reorganization of factory and test track activities

CAF RECOVERY PLAN

- **Major potential risks:**

- 1) Additional production and testing shifts will put pressure on City's engineering and inspection resources (LTK)
 - Could require additional resources for LTK contract
- 2) Extended delivery could impact construction contractor's testing schedule
 - City is working to determine extent of this – could result in delay claim from MPD
- 3) Extended delivery dates could impact start up schedule for operator
 - No anticipated impact to operations activities for Transdev, based on current projected delivery dates – will monitor against further delays
- 4) Failures or issues identified in testing activities could produce further delay
 - Redesign or major retesting will require additional time

Week of Aug 17, 2015



Week of Aug 17, 2015



Week of Aug 17, 2015



Week of Aug 17, 2015



Week of Aug 24, 2015



Week of Aug 24, 2015



Week of Aug 31, 2015



Week of Aug 31, 2015



Week of Aug 31, 2015



COMMUNITY INVOLVEMENT



COMMUNITY INVOLVEMENT

- Communications effort has begun to shift to SORTA operations and streetcar safety
- Coordination construction with Reds schedule, Oktoberfest, and other riverfront and CBD events
- Upcoming presentation to new staff of School for the Creative and Performing Arts
- Media availability for intersection closure update



COMMUNITY INVOLVEMENT

- Continuing established involvement strategy:
 - Streetcar Hotline: (513) 352-3333
 - Monthly Construction Stakeholders Meeting
 - Email Weekly updates
 - Media alerts for all closures or other work disrupting pedestrian or vehicular traffic in coordination with RoadMapCincy
 - Personal visit by a member of the team to affected businesses and building management
 - Attendance at DCI/Police Sector Meetings



COMMUNITY INVOLVEMENT

- Streetcar website: www.cincinnati-streetcar.com (all media and press releases)
- Bi-weekly coordination meetings with police, City Manager and communication personnel
- Monthly Construction Stakeholders Meeting
- Monthly Riverfront Joint Operations Task Force
- Social media
 - Twitter: @Cincy_Streetcar, City of Cincinnati
 - Facebook page:
<https://www.facebook.com/CincinnatiStreetcarOFFICIAL>



JOB SITE SAFETY



Ollier Masonry, Safe Contractor of the Month

INCLUSION

Workforce Inclusion Compliance

- City requirements under the contract establish workforce inclusion goals for MPD as well. The City requirements establish inclusion goals for the contractor's aggregate workforce in Hamilton County throughout the term of the contract. The chart below summarizes hours worked on the contract (Actual) as well as the countywide workforce inclusion goals:

	<u>Actual</u>	<u>Goal</u>
Minority Hours	18.8%	11.90%
Female Hours	3.9%	6.9%
Minority Female	67.5%	50%





OPERATIONS & MAINTENANCE UPDATE



OPERATIONS & MAINTENANCE UPDATE

SEPTEMBER 2015



KEY SCHEDULE MILESTONES

August 3, 2015 - O&M contract notice to proceed



September 2015 - MOF facility to SORTA



August 2015 – Transdev mobilization, phase 1



Fall 2015 - Vehicle delivery begins



December 2015 – Integrated testing begins



April 2016 - Completion of civil construction



May/June 2016 – Transdev mobilization, phase 2



September 2016 - Start of passenger service



SAFETY

- Transportation Resource Associates Task Order
- Weekly Safety and Security Review Committee
- Monthly Fire Life Safety and Security Committee
- FTA Safety and Security Workshop (August 3)
- Next Task: Vehicle Design Audit
- ODOT Quarterly Review Meetings
 - Kick-off August 21, 2015
 - Next QRM November, 2015



RAIL ACTIVATION

- FTA O&M Workshop - September 11, 2015
- MOF Occupancy
- Streetcar Rail Activation Plan
 - Rev. 2 in development
 - Integrated Test Plan
- Revised Transdev Mobilization Schedule
 - New vehicle delivery dates
 - Revised hiring schedule
 - Next hires:
 - Admin support
 - Maintenance Engineer/Foreman



RAIL ACTIVATION

- System Integrated Test Plan
 - Integrated testing: Verification that all systems work together
 - Most tests require streetcar vehicle
 - Integration of:
 - CAF Cincinnati type and routine test plans
 - MPD civil test plan
 - Other tests
 - Examples:
 - Pull test
 - Substation tests
 - CAD/AVL tests



WHEEL TRUING MACHINE

Needed to maintain wheel profile for smooth operation;
will be installed at MOF by end of year

- Modifications to MOF Complete
- Delivery and MOF Installation September 21-23
- Testing & commissioning November, 2015



CRITICAL ISSUES

- SOP Development
 - SORTA SOPs complete
 - Transdev SOPs underway
- SORTA MOF Office Equipment *complete*
- TVM order in production – Delivery October 2015
- Trapeze CAD/AVL
 - MOF Equipment order



QUESTIONS

